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# NORTHWEST QUADRANT

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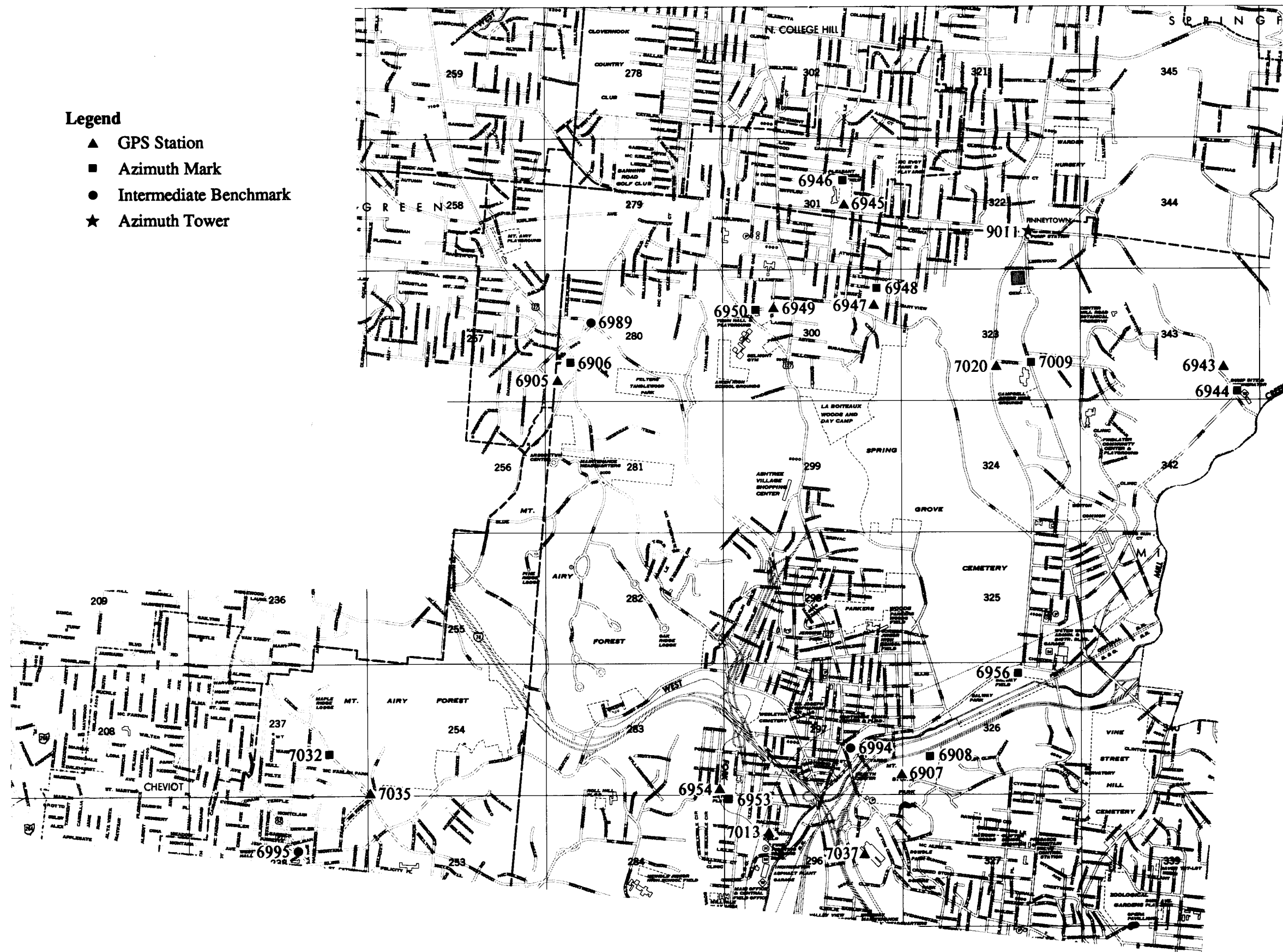
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# MOUNT AIRY TOWERS

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# Legend

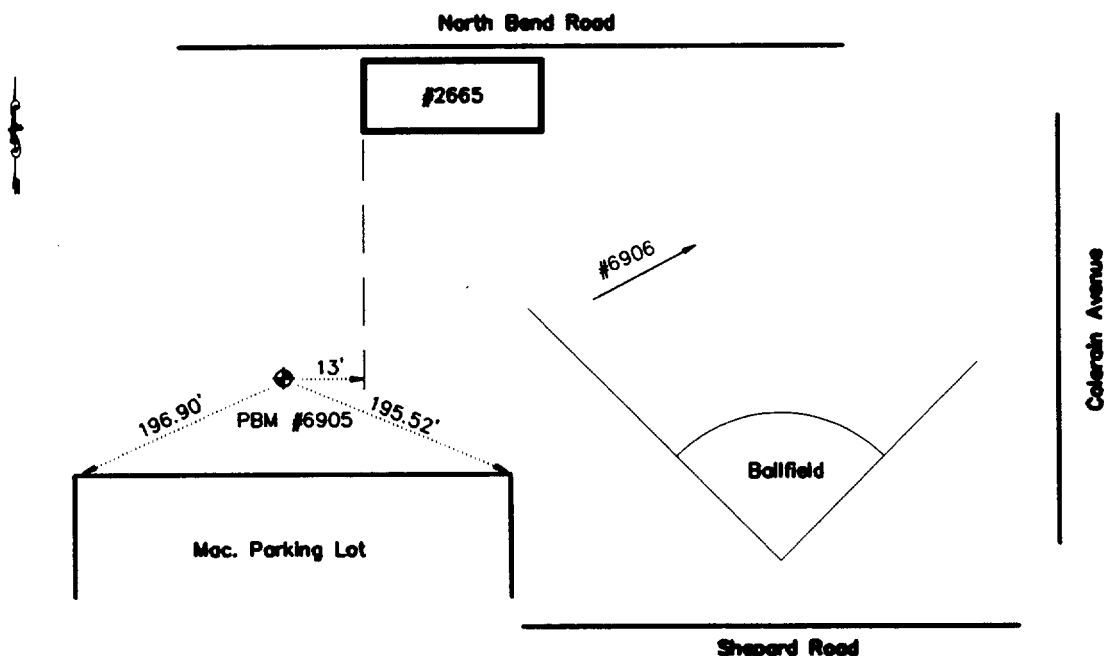
- ▲ GPS Station
- Azimuth Mark
- Intermediate Benchmark
- ★ Azimuth Tower



**NORTHWEST QUADRANT**

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MT. AIRY BALLFIELD SOUTH**



STATION AT MT. AIRY BALLFIELD AT COLERAIN AVENUE AND SHEPHERD CREEK ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO NORTH 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, GO WEST AND NORTH 3.80 MI (6.12 KM) TO WHERE CENTRAL PARKWAY BECOMES LUDLOW AVENUE, CONTINUE ON LUDLOW 0.10 MI (0.16 KM) TO WHERE LUDLOW AVENUE BECOMES HAMILTON AVENUE, CONTINUE NORTHERLY 3.00 MI (4.83 KM) TO NORTH BEND ROAD, GO SOUTHWESTERLY 1.50 MI (2.41 KM) TO COLERAIN AVENUE, GO SOUTH 0.20 MI (0.32 KM) TO SHEPHERD CREEK ROAD, GO SOUTHWEST 0.10 MI (0.16 KM) TO THE BALLFIELD ON THE RIGHT. THE STATION IS SET FLUSH WITH THE GROUND AND IS 196.90 FT (60.02 M) NORTHEAST FROM THE NORTHWEST CORNER OF THE BALLFIELD PARKING LOT, 195.52 FT (59.59 M) NORTHWEST FROM THE NORTHEAST CORNER OF THE BALLFIELD PARKING LOT AND 13.0 FT (4.0 M) WEST OF THE WEST EDGE EXTENDED OF AN APARTMENT BUILDING LOCATED AT 2665 NORTH BEND ROAD.

**Horizontal**

Latitude (dms) N 39 11 17.51958  
 Longitude (dms) W 84 34 15.52483  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994174  
 Convergence (dms) -1 18 50.68  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 421,100.862  
 Northing (Y) in meters 133,957.339  
 Easting (X) in US Survey ft. 1,381,561.746  
 Northing (Y) in US Survey ft. 439,491.704

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters 272.0058  
 Elevation is US Survey ft. 892.406  

Final Adjusted Elevation from NGS	June 1991
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**Grid Bearing  
to B.M. 6906**

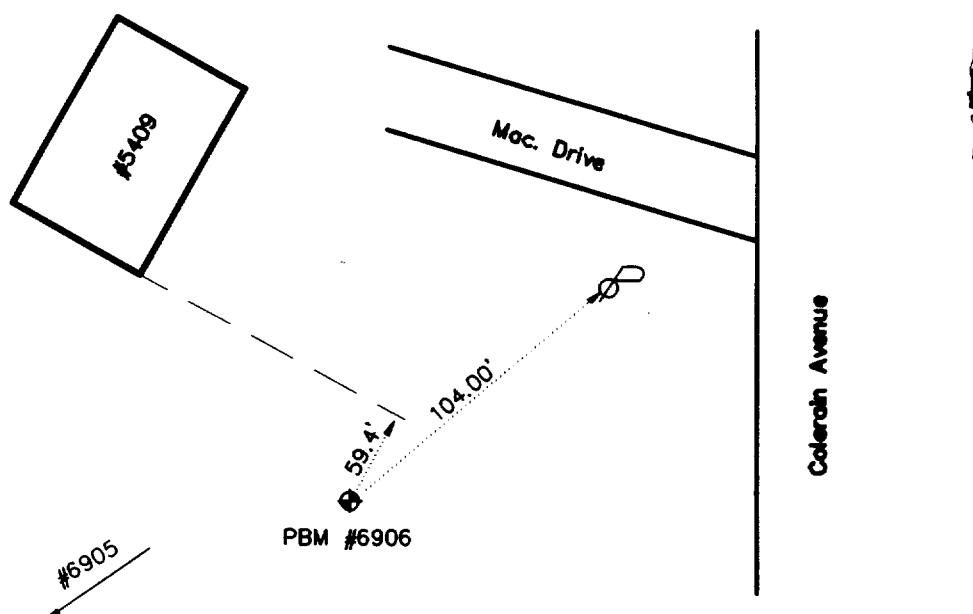
No. 6905

Neighborhood: Mt. Airy

N 42 35 13 E

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MT. AIRY BALLFIELD SOUTH**



STATION AT MT. AIRY BALLFIELD AT COLERAIN AVENUE AND SHEPHERD CREEK ROAD IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO NORTH 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, GO WEST AND NORTH 3.80 MI (6.12 KM) TO WHERE CENTRAL PARKWAY BECOMES LUDLOW AVENUE, CONTINUE ON LUDLOW 0.10 MI (0.16 KM) TO WHERE LUDLOW AVENUE BECOMES HAMILTON AVENUE, CONTINUE NORTHERLY 3.00 MI (4.83 KM) TO NORTH BEND ROAD, GO SOUTHWESTERLY 1.50 MI (2.41 KM) TO COLERAIN AVENUE, GO SOUTH 0.20 MI (0.32 KM) TO SHEPHERD CREEK ROAD, GO SOUTHWEST 0.10 MI (0.16 KM) TO THE BALLFIELD ON THE RIGHT. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 104.00 FT SOUTHWEST OF A TACK SET IN POLE #L14.252E, 2.5 FT ABOVE GROUND, AND 59.4 FT SOUTHWEST OF THE SOUTH LINE PRODUCED OF A 1 1/2 STORY HOUSE LOCATED AT #5409 COLERAIN AVENUE.

**Azimuth Mark**

**No. 6906**

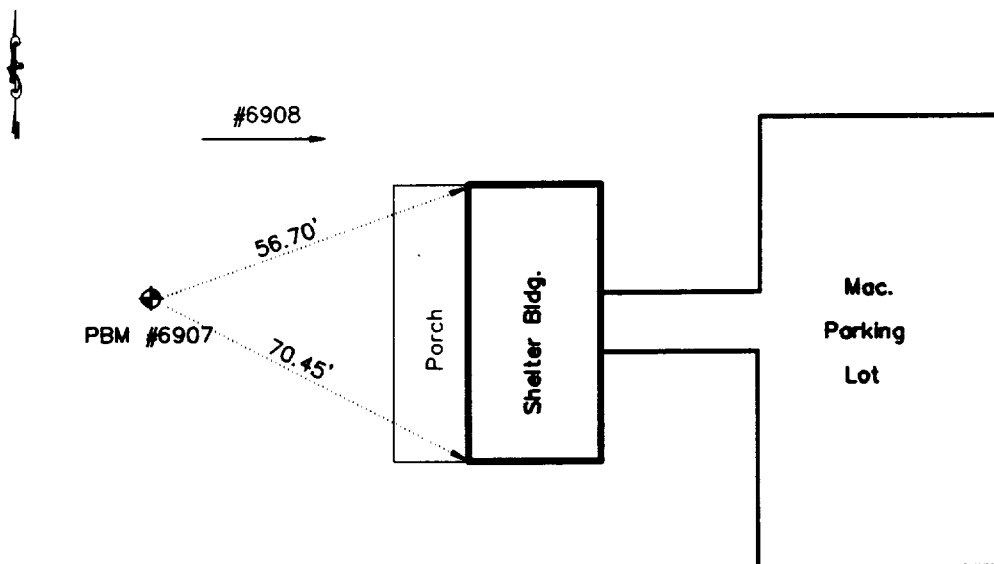
**Neighborhood: Mt. Airy**

**Pairs with B.M. 6905**



**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MT. STORM PARK WEST**



STATION IS LOCATED AT MT. STORM PARK IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO NORTH 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, GO WEST AND NORTH ON CENTRAL PARKWAY 3.20 MI (5.15 KM) TO CLIFTON HILLS DRIVE, GO EAST 0.20 MI (0.32 KM) TO LUDLOW AVENUE, GO NORTHWEST 0.1 MI (0.2 KM) TO LAFAYETTE AVENUE, GO 0.50 MI (0.80 KM) NORTHERLY TO A PARK DRIVEWAY ON THE LEFT, FOLLOW DRIVEWAY WESTERLY TO END. THE STATION IS SET FLUSH WITH THE GROUND AND IS 56.70 FT (17.28 M) SOUTHWEST FROM THE NORTHWEST CORNER OF THE SHELTER BUILDING AND 70.45 FT (21.47 M) NORTHWEST FROM THE SOUTHWEST CORNER OF THE SHELTER BUILDING.

**Horizontal**

Latitude (dms) N 39 09 17.16372  
 Longitude (dms) W 84 31 59.87757  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994389  
 Convergence (dms) -1 17 24.61  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 424,271.668  
 Northing (Y) in meters 130,172.921  
 Easting (X) in US Survey ft. 1,391,964.630  
 Northing (Y) in US Survey ft. 427,075.657

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters  
 Elevation is US Survey ft.

Final Adjusted Elevation from NGS	
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No. 6907

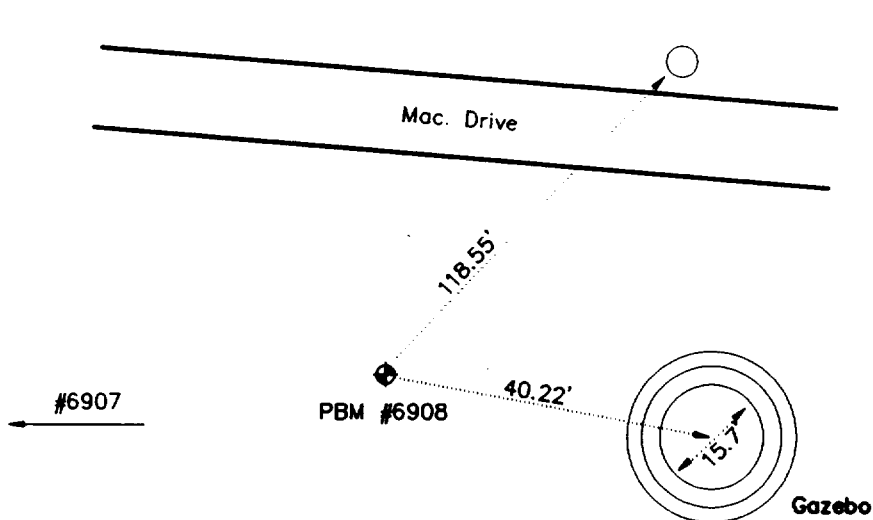
Neighborhood: Clifton

**Grid Bearing**  
**to B.M. 6908**

N 72 15 58 E

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MT. STORM PARK WEST**



STATION IS LOCATED AT MT. STORM PARK IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI GO NORTH 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, GO WEST AND NORTH ON CENTRAL PARKWAY 3.20 MI (5.15 KM) TO CLIFTON HILLS DRIVE, GO EAST 0.20 MI (0.32 KM) TO LUDLOW AVENUE, GO NORTHWEST 0.1 MI (0.2 KM) TO LAFAYETTE AVENUE, GO 0.50 MI (0.80 KM) NORTHERLY TO A PARK DRIVEWAY ON THE LEFT, FOLLOW DRIVEWAY WESTERLY TO END. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 40.22 FT WEST OF THE CENTER OF A 15.7 FT DIAMETER CONCRETE GAZEBO, AND 118.55 FT SOUTHWEST OF A TACK SET IN A LIGHT POLE, 4 FT ABOVE THE GROUND, ON THE NORTH SIDE OF ROADWAY.

**Azimuth Mark**

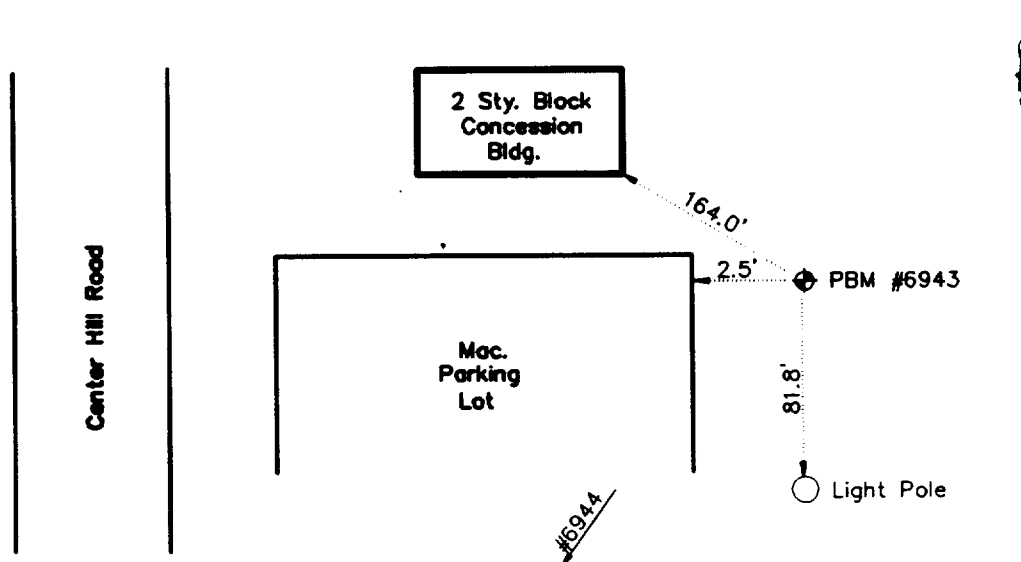
No. 6908

Neighborhood: Clifton

Pairs with B.M. 6907

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: CROSLY SPORTS CENTER**



STATION IS LOCATED AT CROSLY SPORTS CENTER AT THE INTERSECTION OF CENTER HILL ROAD AND ESTE AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT THE CORNER OF FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI (0.32 KM) TO BROADWAY, THEN TURN LEFT AND GO NORTH 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST 3.80 MI (6.12 KM) TO PADDOCK ROAD, TURN LEFT ONTO PADDOCK AND GO 1.80 MI (2.90 KM) TO TOWNSHIP AVENUE, TURN LEFT ONTO TOWNSHIP AND GO ACROSS VINE STREET 1.00 MI (1.61 KM) WHERE TOWNSHIP TURNS INTO CENTER HILL ROAD AT THE INTERSECTION OF TOWNSHIP AND ESTE AVENUE. THE PARK IS SITUATED ON THE NORTH SIDE OF THE INTERSECTION. THE STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 164.00 FT (49.99 M) SOUTHEAST OF THE SOUTHEAST CORNER OF A TWO STORY CONCESSION BUILDING, 81.80 FT (24.93 M) NORTH OF A LIGHT POLE, AND 2.50 FT (0.76 M) EAST OF THE EAST LINE OF A BLACKTOP PARKING AREA.

**Horizontal**

Latitude (dms) N 39 11 23.51109  
 Longitude (dms) W 84 29 55.24329  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994164  
 Convergence (dms) -1 16 05.52  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 427,349.524  
 Northing (Y) in meters 134,001.311  
 Easting (X) in US Survey ft. 1,402,062.562  
 Northing (Y) in US Survey ft. 439,635.966

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters  
 Elevation is US Survey ft.

Final Adjusted Elevation from NGS	
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No. 6943

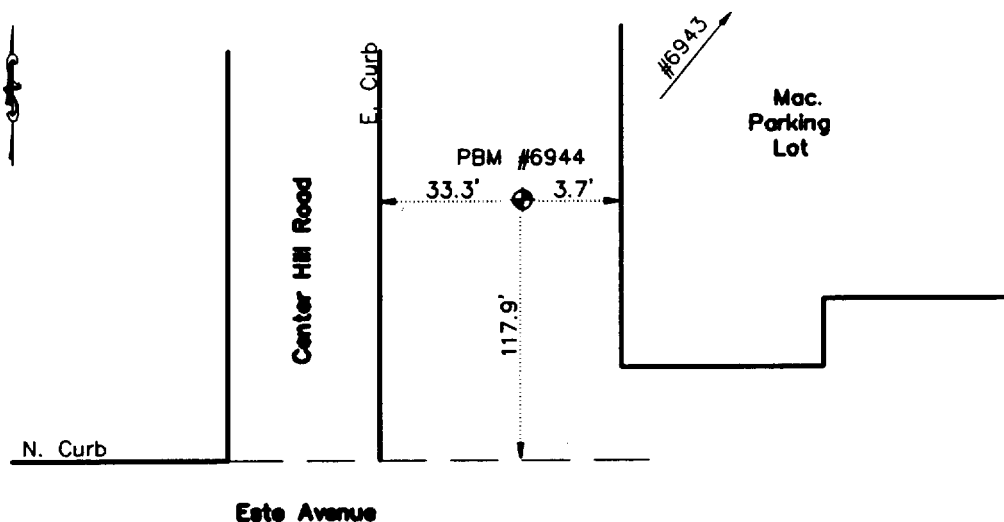
Neighborhood: Winton Hills

**Grid Bearing**  
 to B.M. 6944

S 19 41 42 E

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: CROSLY SPORTS CENTER**



STATION IS LOCATED AT CROSLY SPORTS CENTER AT THE INTERSECTION OF CENTER HILL ROAD AND ESTE AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT THE CORNER OF FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI (0.32 KM) TO BROADWAY, THEN TURN LEFT AND GO NORTH 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST 3.80 MI (6.12 KM) TO PADDOCK ROAD, TURN LEFT ONTO PADDOCK AND GO 1.80 MI (2.90 KM) TO TOWNSHIP AVENUE, TURN LEFT ONTO TOWNSHIP AND GO ACROSS VINE STREET 1.00 MI (1.61 KM) WHERE TOWNSHIP TURNS INTO CENTER HILL ROAD AT THE INTERSECTION OF TOWNSHIP AND ESTE AVENUE. THE PARK IS SITUATED ON THE NORTH SIDE OF THE INTERSECTION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 117.9 FT NORTH OF THE PRODUCED NORTH LINE OF THE NORTH CURB OF ESTE AVENUE, 33.3 FT EAST OF THE EAST CURB OF CENTER HILL ROAD AND 3.7 FT WEST OF THE WEST EDGE OF A MACADAM PARKING LOT.

**Azimuth Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	163.1146
Elevation in US Survey feet	535.152
Final Adjusted Elevation from NGS	June 1991

No. 6944

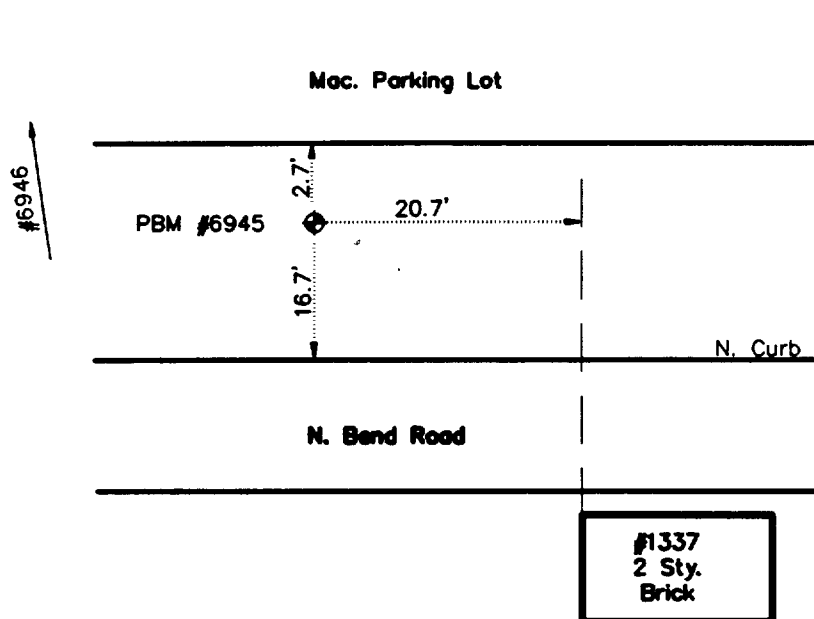
Neighborhood: Winton Hills

Pairs with B.M. 6943



**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: PLEASANT HILL SCHOOL**



STATION IS LOCATED AT PLEASANT HILL SCHOOL ON NORTH BEND ROAD, EAST OF HAMILTON AVENUE, AND WEST OF EDWOOD AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTH 1.40 MI (2.25 KM) TO CALHOUN STREET, TURN LEFT ON CALHOUN AND GO WEST FOR 1.00 MI (1.61 KM) TO CLIFTON AVENUE, TURN RIGHT ON CLIFTON AVENUE AND GO NORTH FOR 2.70 MI (4.35 KM) TO SPRING GROVE AVENUE, TURN LEFT ON SPRING GROVE FOR 0.20 MI (0.32 KM) TO WINTON ROAD, TURN RIGHT ON WINTON AND GO NORTH 2.60 MI (4.18 KM) TO NORTH BEND ROAD, TURN LEFT ON NORTH BEND AND GO WEST 1.10 MI, THE PARK WILL BE ON THE NORTH SIDE OF THE ROAD. STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 16.70 FT (5.09 M) NORTH OF THE NORTH CURB LINE OF NORTH BEND ROAD, 20.70 FT (6.31 M) WEST OF THE NORTHWARDLY EXTENSION OF THE WEST LINE OF A 2 STORY BRICK HOME AT 1337 NORTH BEND ROAD, 2.70 FT (0.82 M) SOUTH OF THE SOUTH LINE OF A BLACKTOP PARKING AREA.

**Horizontal**

Latitude (dms) N 39 12 09.67841  
 Longitude (dms) W 84 32 26.07751  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994091  
 Convergence (dms) -1 17 41.23  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 423,763.001  
 Northing (Y) in meters 135,505.553  
 Easting (X) in US Survey ft. 1,390,295.778  
 Northing (Y) in US Survey ft. 444,571.133

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters 265.1203  
 Elevation is US Survey ft. 869.815  

Final Adjusted Elevation from NGS	June 1991
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No. 6945

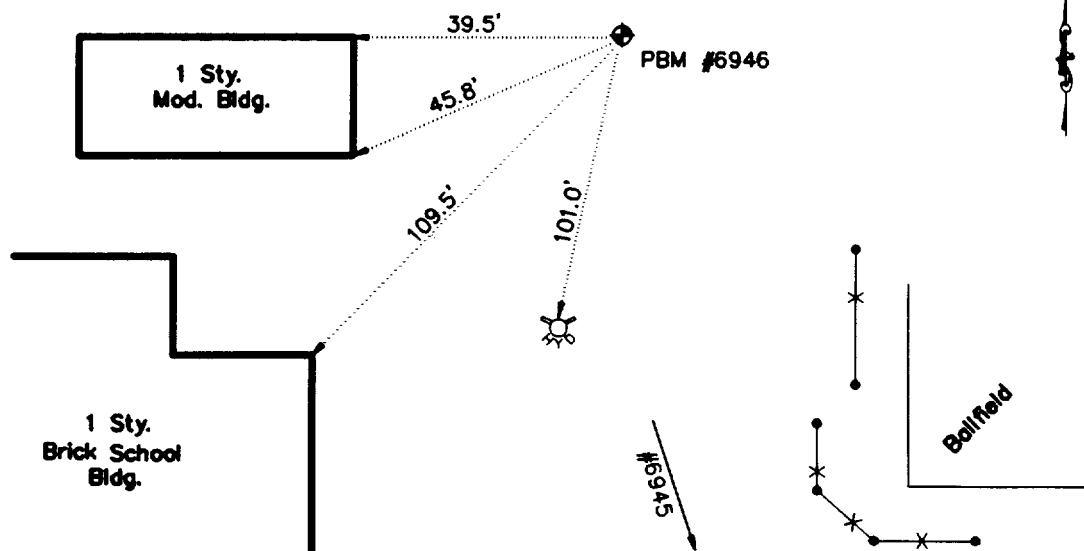
Neighborhood: College Hill

**Grid Bearing**  
 to B.M. 6946

N 06 56 43 W

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: PLEASANT HILL SCHOOL**



STATION IS LOCATED AT PLEASANT HILL SCHOOL ON NORTH BEND ROAD, EAST OF HAMILTON AVENUE, AND WEST OF EDWOOD AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTH 1.40 MI (2.25 KM) TO CALHOUN STREET, TURN LEFT ON CALHOUN AND GO WEST FOR 1.00 MI (1.61 KM) TO CLIFTON AVENUE, TURN RIGHT ON CLIFTON AVENUE AND GO NORTH FOR 2.70 MI (4.35 KM) TO SPRING GROVE AVENUE, TURN LEFT ON SPRING GROVE FOR 0.20 MI (0.32 KM) TO WINTON ROAD, TURN RIGHT ON WINTON AND GO NORTH 2.60 MI (4.18 KM) TO NORTH BEND ROAD, TURN LEFT ON NORTH BEND AND GO WEST 1.10 MI, THE PARK WILL BE ON THE NORTH SIDE OF THE ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 39.5 FT WEST OF THE PRODUCED NORTH LINE OF A 1 STORY MODULAR BUILDING, 45.8 FT NORTHEAST OF THE SOUTHEAST CORNER OF SAID MODULAR BUILDING, 109.5 FT NORTHEAST OF THE NORTHEASTERMOST CORNER OF A 1 STORY BRICK SCHOOL BUILDING AND 101.0 FT NORTHEAST OF A FIRE HYDRANT.

**Azimuth Mark**

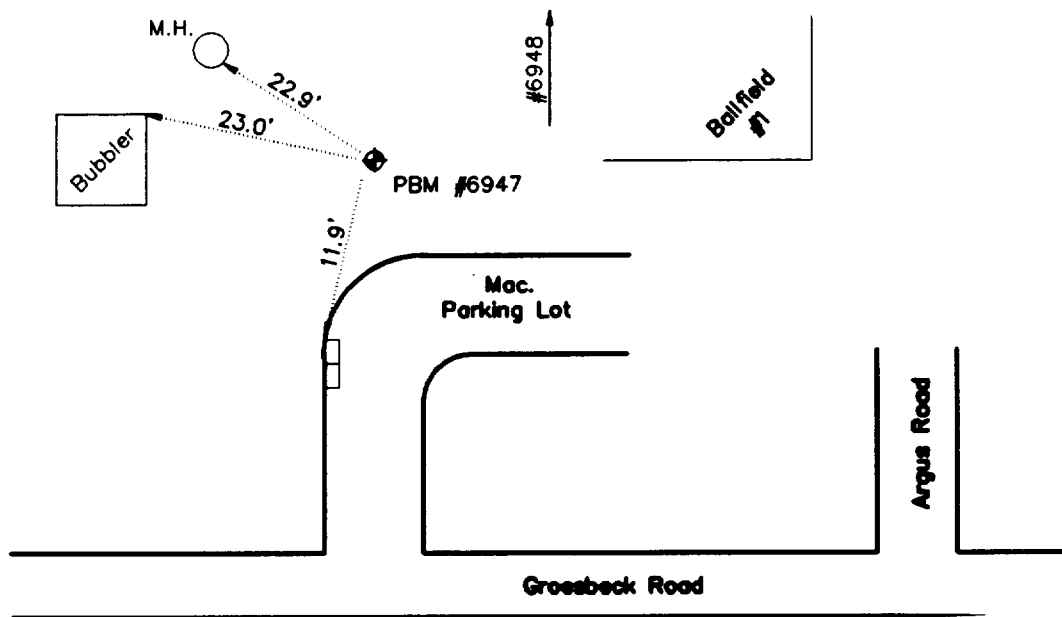
No. 6946

Neighborhood: College Hill

Pairs with B.M. 6945

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: DANIEL'S PLAYGROUND**



STATION IS LOCATED AT DANIEL'S PLAYGROUND ON GROESBECK ROAD, JUST WEST OF ARGUS, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST FOR 1.40 MI (2.25 KM) TO CALHOUN STREET, TURN LEFT ON CALHOUN FOR 1.00 MI (1.61 KM) TO CLIFTON AVENUE, TURN RIGHT ON CLIFTON FOR 2.70 MI (4.35 KM) TO SPRING GROVE AVENUE FOR 0.20 MI (0.32 KM) TO WINTON ROAD. TURN RIGHT ON WINTON TO 0.80 MI (1.29 KM) TO GRAY ROAD, TURN LEFT ON GRAY FOR 0.40 MI, GRAY TURNS INTO GROESBECK ROAD AND GO 0.40 MI. THE PARK IS LOCATED ON THE NORTH SIDE OF GROESBECK 0.10 MI (0.16 KM) WEST OF ARGUS. STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 11.90 FT (3.63 M) NORTHEAST OF A CATCH BASIN IN THE PARKING LOT ENTRANCE, 23.00 FT (7.01 M) EAST OF THE NORTHEAST CORNER OF A WATER FOUNTAIN, AND 22.90 FT (6.98 M) SOUTHEAST OF A MANHOLE.

**Horizontal**

Latitude (dms) N 39 11 39.87852  
 Longitude (dms) W 84 32 13.35456  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994138  
 Convergence (dms) -1 17 33.16  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 424,047.452  
 Northing (Y) in meters 134,579.959  
 Easting (X) in US Survey ft. 1,391,229.015  
 Northing (Y) in US Survey ft. 441,534.416

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters 266.4176  
 Elevation is US Survey ft. 874.072

Final Adjusted Elevation from NGS	June 1991
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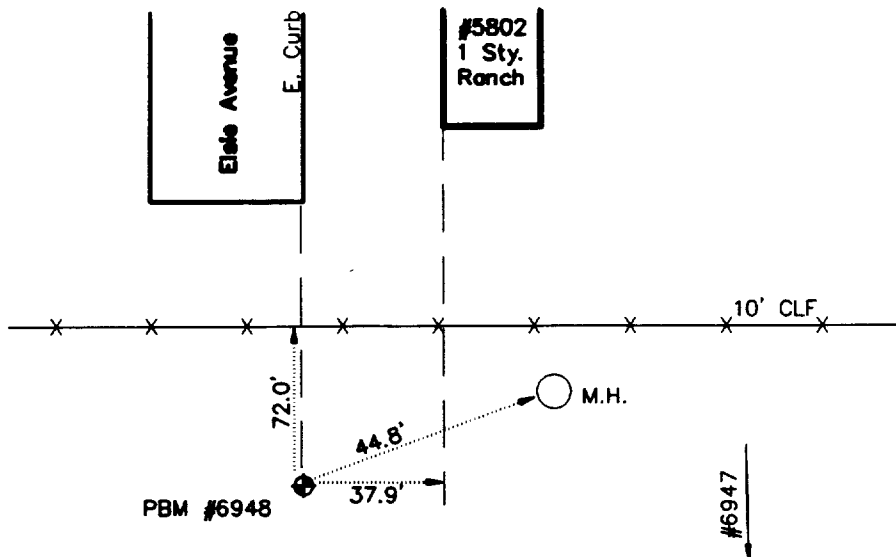
**No. 6947****Neighborhood: College Hill**

**Grid Bearing**  
**to B.M. 6948**

**N 05 42 01 E**

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: DANIEL'S PLAYGROUND**



STATION IS LOCATED AT DANIEL'S PLAYGROUND ON GROESBECK ROAD, JUST WEST OF ARGUS, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO EAST ON FIFTH STREET FOR 0.20 MI, TURN LEFT ON BROADWAY FOR 0.40 MI (0.64 KM) TO READING ROAD, TURN RIGHT ON READING AND GO NORTHEAST FOR 1.40 MI (2.25 KM) TO CALHOUN STREET, TURN LEFT ON CALHOUN FOR 1.00 MI (1.61 KM) TO CLIFTON AVENUE, TURN RIGHT ON CLIFTON FOR 2.70 MI (4.35 KM) TO SPRING GROVE AVENUE FOR 0.20 MI (0.32 KM) TO WINTON ROAD. TURN RIGHT ON WINTON TO 0.80 MI (1.29 KM) TO GRAY ROAD, TURN LEFT ON GRAY FOR 0.40 MI, GRAY TURNS INTO GROESBECK ROAD AND GO 0.40 MI. THE PARK IS LOCATED ON THE NORTH SIDE OF GROESBECK 0.10 MI (0.16 KM) WEST OF ARGUS. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 72.0 FT SOUTH OF A 10 FT CHAIN LINK FENCE, 44.8 FT SOUTHWEST OF A MANHOLE AND 37.9 FT WEST OF THE WEST LINE OF A 1 STORY RANCH HOME THAT IS LOCATED NORTH OF SAID 10 FT CHAIN LINK FENCE.

**Azimuth Mark**

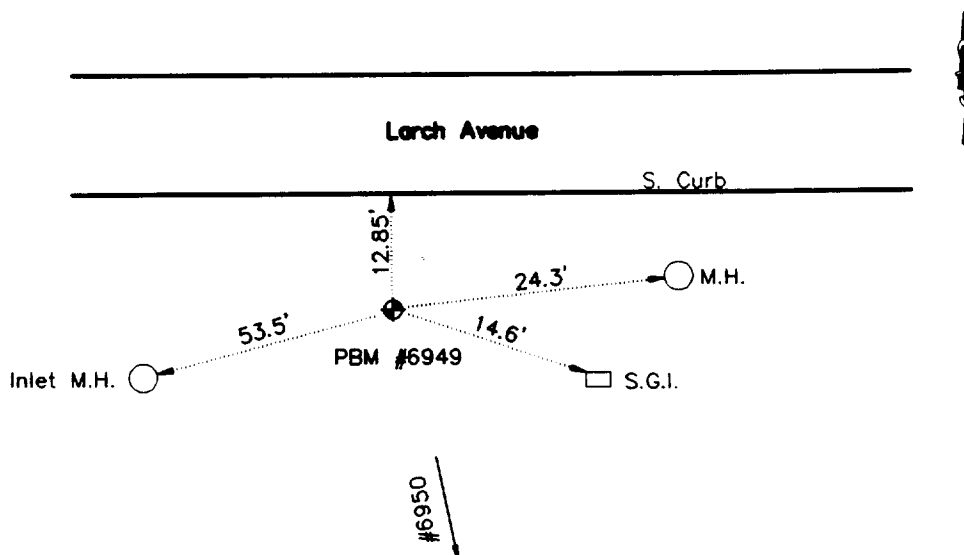
No. 6948

Neighborhood: College Hill

Pairs with B.M. 6947

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: COLLEGE HILL PARK**



STATION IS LOCATED AT COLLEGE HILL PARK, ON LARCH AVENUE, BETWEEN BELMONT AVENUE AND HAMILTON AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO NORTH ON MAIN 0.10 MI (0.16 KM) TO SIXTH STREET, TURN LEFT ON SIXTH FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, TURN RIGHT ON CENTRAL PARKWAY AND GO NORTH FOR 6.90 MI, CENTRAL PARKWAY TURNS INTO HAMILTON AVENUE. TURN LEFT ON LARCH AVENUE FOR 0.20 MI, COLLEGE HILL PARK IS LOCATED ON THE SOUTH SIDE OF LARCH. STATION IS SET FLUSH WITH THE TOP OF THE GROUND AND IS LOCATED 12.85 FT (3.92 M) SOUTH OF THE SOUTH CURB LINE OF LARCH AVENUE, 24.30 FT (7.41 M) WEST OF A MANHOLE, AND 53.50 FT (16.31 M) NORTHEAST OF A STORM INLET MANHOLE.

Horizontal		Vertical	
Latitude (dms)	N 39 11 39.50781	Accuracy	2nd Order Class II
Longitude (dms)	W 84 32 54.72699	Datum	NAVD 29   NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	268.4835
Scale	0.99994138	Elevation is US Survey ft.	880.850
Convergence (dms)	-1 17 59.41	Final Adjusted Elevation from NGS	June
Accuracy	1st Order		1991
Datum	NAD 83		
Easting (X) in meters	423,054.695		
Northing (Y) in meters	134,590.988		
Easting (X) in US Survey ft.	1,387,971.944		
Northing (Y) in US Survey ft.	441,570.598		
Final Adjusted Coordinate from NGS	March 1992		

**Grid Bearing  
to B.M. 6950**

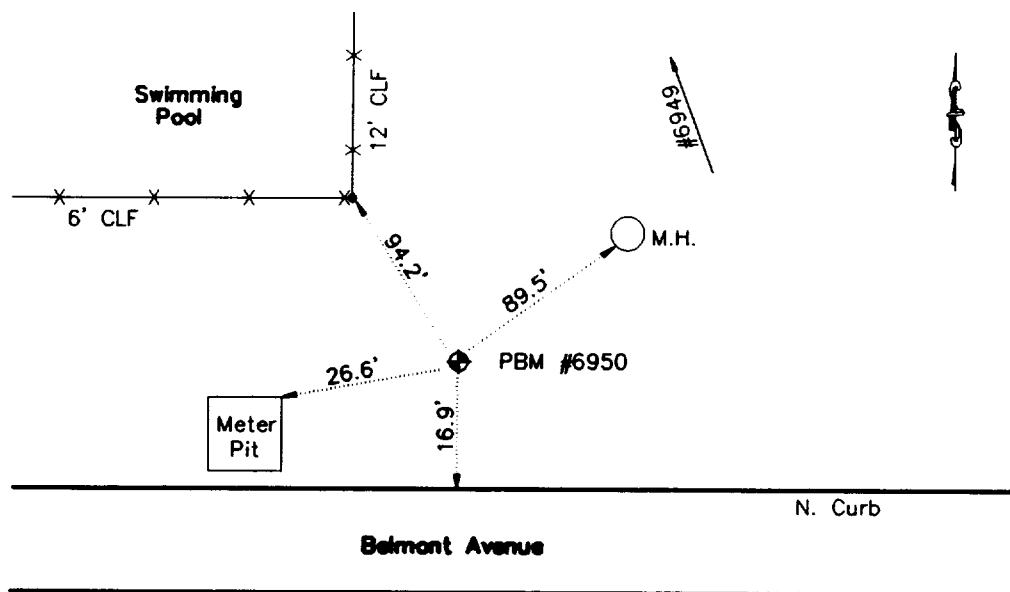
**Neighborhood: College Hill**

**S 23 38 02 W**

**No. 6949**

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: COLLEGE HILL PARK**



STATION IS LOCATED AT COLLEGE HILL PARK, ON LARCH AVENUE, BETWEEN BELMONT AVENUE AND HAMILTON AVENUE, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO NORTH ON MAIN FOR 0.10 MI (0.16 KM) TO SIXTH STREET, TURN LEFT ON SIXTH FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, TURN RIGHT ON CENTRAL PARKWAY AND GO NORTH FOR 6.90 MI, CENTRAL PARKWAY TURNS INTO HAMILTON AVENUE. TURN LEFT ON LARCH AVENUE FOR 0.20 MI, COLLEGE HILL PARK IS LOCATED ON THE SOUTH SIDE OF LARCH. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 94.2 FT SOUTHEAST OF THE INTERSECTION OF A 6 FT AND A 12 FT CHAIN LINK FENCE THAT ENCLOSES A SWIMMING POOL, 89.5 FT SOUTHWEST OF A MANHOLE, 26.6 FT NORTHEAST OF A METER PIT AND 16.9 FT NORTH OF THE NORTH CURB OF BELMONT AVENUE.

**Azimuth Mark**

No. 6950

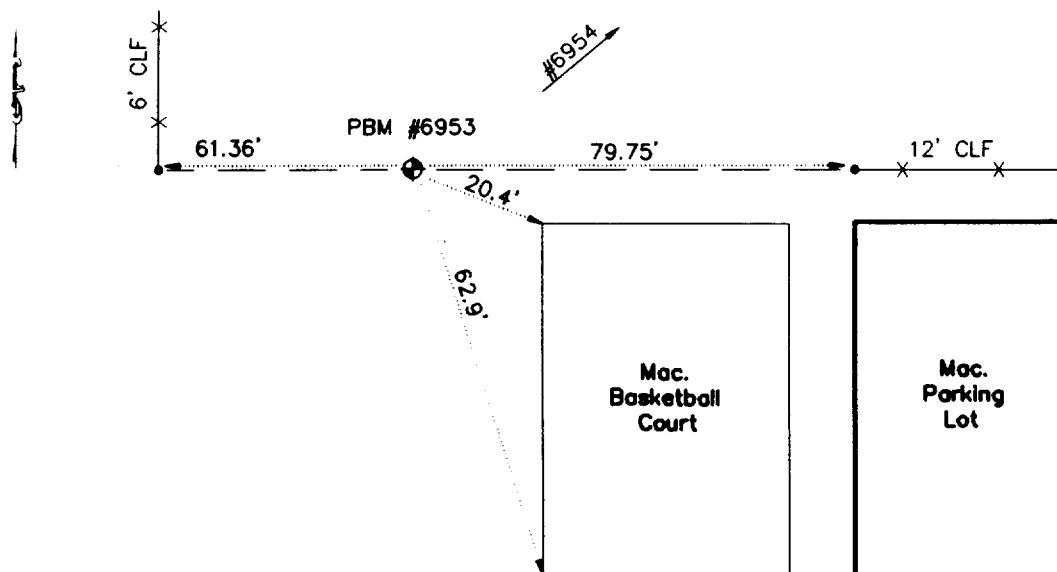
Neighborhood: College Hill

Pairs with B.M. 6949



**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: WAYNE BALLFIELDS**



STATION IS LOCATED AT WAYNE BALLFIELDS AT THE SOUTHWEST CORNER OF THE INTERSECTION OF BEEKMAN AVENUE AND ELMORE STREET, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO NORTH ON MAIN STREET FOR 0.10 MI (0.16 KM) TO SIXTH STREET, TURN LEFT ON SIXTH FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY FOR 1.90 MI (3.06 KM) TO WESTERN HILLS VIADUCT WHICH IS ALSO HARRISON AVENUE, TURN LEFT ON WESTERN HILLS VIADUCT FOR 0.70 MI (1.13 KM) TO BEEKMAN AVENUE, TURN RIGHT ON BEEKMAN FOR 2.20 MI (3.54 KM) TO ELMORE AVENUE, PARK IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 79.75 FT WEST OF THE END POST OF A 12 FT CHAIN LINK FENCE, 61.36 FT EAST OF THE END POST OF A 6 FT CHAIN LINK FENCE, 62.9 FT NORTHWEST OF THE SOUTHWEST CORNER OF A MACADAM BASKETBALL COURT AND 20.4 FT NORTHWEST OF THE NORTHWEST CORNER OF SAID BASKETBALL COURT.

**Azimuth Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29    NAVD 88
Elevation in meters	153.143
Elevation in US Survey feet	502.44
Final Adjusted Elevation from NGS	August 1992

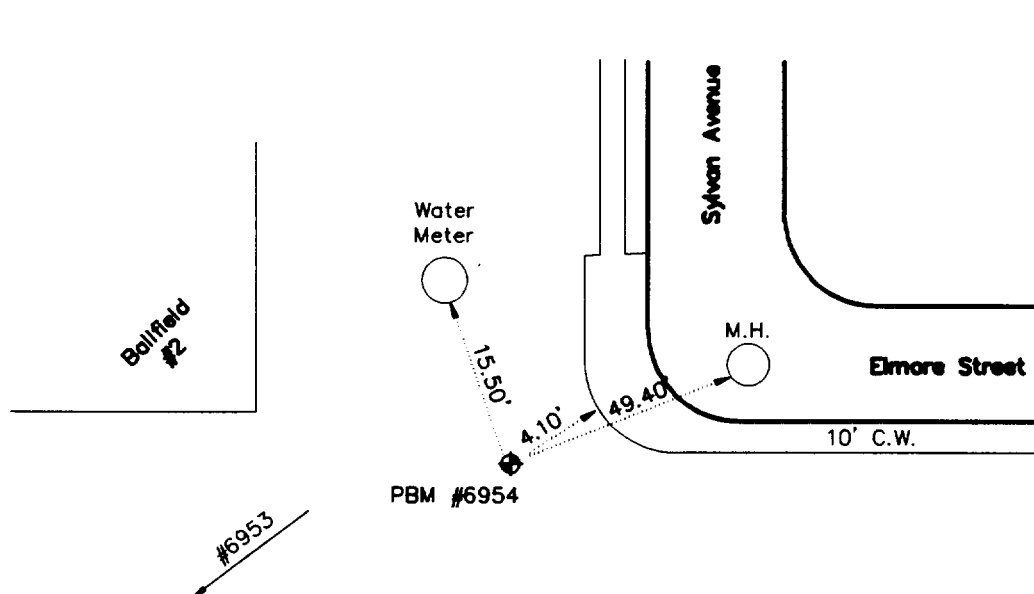
No. 6953

Neighborhood: South Cumminsville

Pairs with B.M. 6954

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: WAYNE BALLFIELDS**



STATION IS LOCATED AT WAYNE BALLFIELDS AT THE SOUTHWEST CORNER OF THE INTERSECTION OF BEEKMAN AVENUE AND ELMORE STREET, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI. GO NORTH ON MAIN STREET FOR 0.10 MI (0.16 KM) TO SIXTH STREET, TURN LEFT ON SIXTH FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY FOR 1.90 MI (3.06 KM) TO WESTERN HILLS VIADUCT WHICH IS ALSO HARRISON AVENUE, TURN LEFT ON WESTERN HILLS VIADUCT FOR 0.70 MI (1.13 KM) TO BEEKMAN AVENUE, TURN RIGHT ON BEEKMAN FOR 2.20 MI (3.54 KM) TO ELMORE AVENUE, PARK IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION. STATION IS SET FLUSH WITH THE TOP OF GROUND AND IS LOCATED 4.10 FT (1.25 M) SOUTHWEST OF THE BACK OF A 10.00 FT (3.05 M) CONCRETE WALK, 49.40 FT (15.06 M) FROM SOUTHWEST OF A MANHOLE AT THE INTERSECTION OF ELMORE AND SYLVAN AVENUE, AND 15.50 FT (4.72 M) SOUTHEAST OF A WATER METER.

**Horizontal**

Latitude (dms) N 39 09 21.37749  
 Longitude (dms) W 84 33 04.67725  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994381  
 Convergence (dms) -1 18 05.72  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 422,719.240  
 Northing (Y) in meters 130,338.011  
 Easting (X) in US Survey ft. 1,386,871.372  
 Northing (Y) in US Survey ft. 427,617.289

**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters 158.6791  
 Elevation is US Survey ft. 520.600  

Final Adjusted Elevation from NGS	June 1991
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Final Adjusted Coordinate from NGS	March 1992
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**No. 6954**

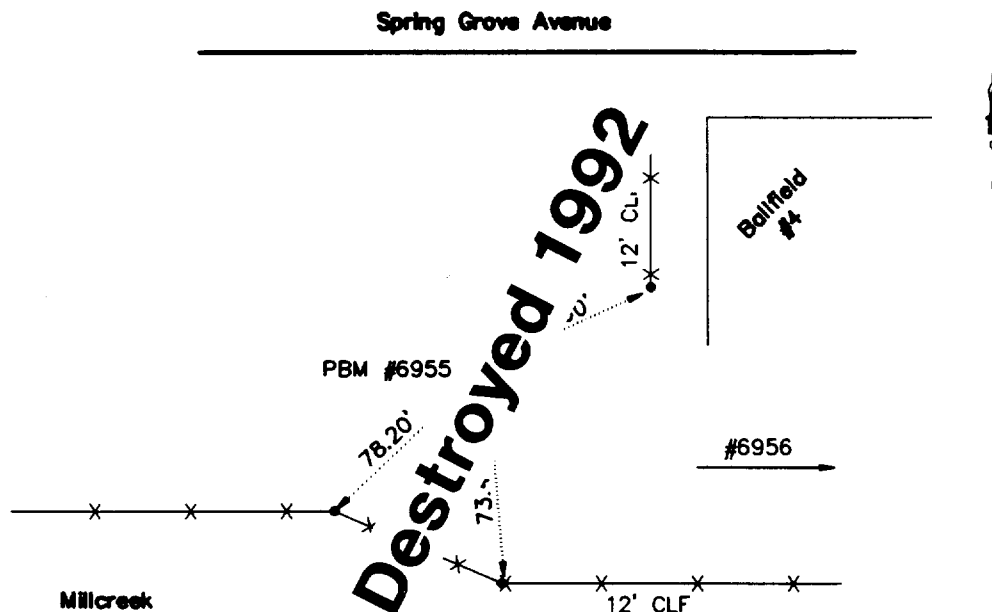
**Neighborhood: South Cumminsville**

**Grid Bearing**  
 to B.M. 6953

**S 33 53 18 W**

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: SALWAY PARK**



STATION IS LOCATED AT SALWAY PARK ON SPRING GROVE AVENUE, JUST WEST OF WINTON ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO NORTH ON MAIN STREET 0.10 MI, TURN LEFT ONTO SIXTH STREET AND PROCEED WEST FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, TURN RIGHT ONTO CENTRAL PARKWAY AND GO NORTH FOR 4.40 MI (7.08 KM) TO SPRING GROVE AVENUE, TURN RIGHT ON SPRING GROVE AND GO EAST FOR 1.08 MI, SALWAY PARK IS LOCATED ON THE RIGHT SIDE OF SPRINGROVE JUST WEST OF WINTON ROAD. STATION IS SET FLUSH WITH THE TOP OF THE GROUND, 40.60 FT (12.37 M) SOUTHWEST OF THE OF THE SOUTH END OF A 12.0 FT (3.7 M) CHAIN LINK FENCE FOR THE BACKSTOP AT BALLFIELD NO. 4, 73.40 FT (22.37 M) NORTH OF AN ANGLE POINT IN A 12.0 FT (3.7 M) CHAIN LINK FENCE ON THE NORTH SIDE OF MILL CREEK, 78.20 FT (23.84 M) NORTHEAST OF ANOTHER ANGLE POINT IN SAID 12.0 FT (3.7 M) CHAIN LINK FENCE.

**Horizontal**

Latitude (dms)  
 Longitude (dms)  
 State Plane Zone (3402) Ohio South  
 Scale  
 Convergence (dms)  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters  
 Northing (Y) in meters  
 Easting (X) in US Survey ft.  
 Northing (Y) in US Survey ft.

Final Adjusted Coordinate  
 from NGS

**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters  
 Elevation is US Survey ft.

Final Adjusted Elevation  
 from NGS

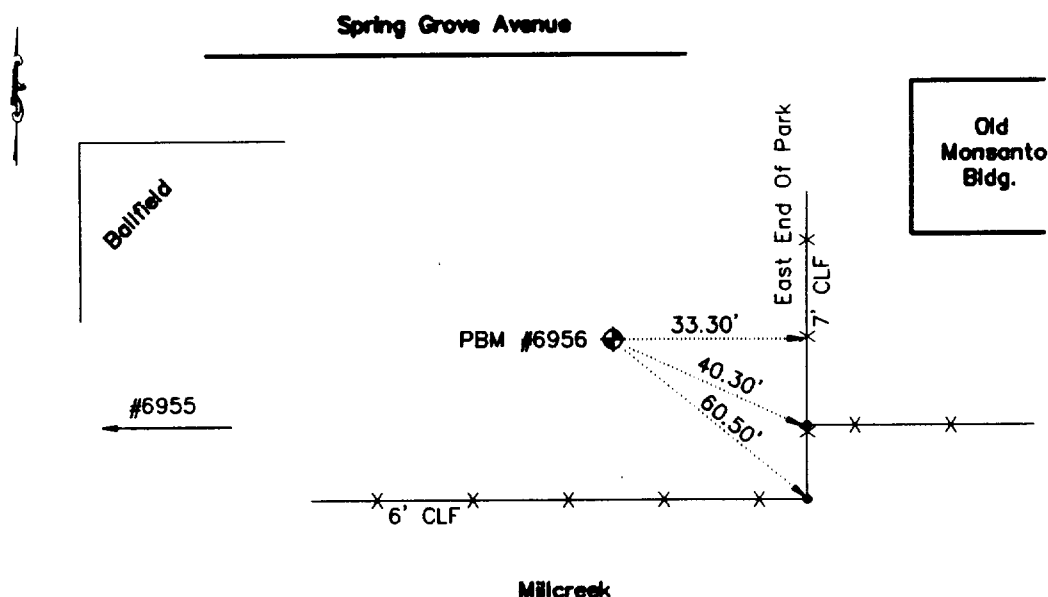
No. 6955

Neighborhood:

Grid Bearing  
 to B.M.

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: SALWAY PARK**



STATION IS LOCATED AT SALWAY PARK ON SPRING GROVE AVENUE, JUST WEST OF WINTON ROAD, IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, GO NORTH ON MAIN STREET 0.10 MI, TURN LEFT ONTO SIXTH STREET AND PROCEED WEST FOR 0.40 MI (0.64 KM) TO CENTRAL PARKWAY, TURN RIGHT ONTO CENTRAL PARKWAY AND GO NORTH FOR 4.40 MI (7.08 KM) TO SPRING GROVE AVENUE, TURN RIGHT ON SPRING GROVE AND GO EAST FOR 1.08 MI, SALWAY PARK IS LOCATED ON THE RIGHT SIDE OF SPRINGROVE JUST WEST OF WINTON ROAD. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 60.50 FT NORTHWEST OF THE INTERSECTION OF A 6 FT AND A 7 FT CHAIN LINK FENCE THAT INDICATES THE EXTREME EAST END OF SALWAY PARK, 40.30 FT NORTHWEST OF THE INTERSECTION OF THE SAME 7 FT CHAIN LINK FENCE AND A FENCE THAT RUNS TO THE EAST AND A PERPENDICULAR DISTANCE OF 33.30 FT WEST OF THE SAME 7 FT CHAIN LINK FENCE.

**Azimuth Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	148.242
Elevation in US Survey feet	486.36
Final Adjusted Elevation from NGS	August 1992

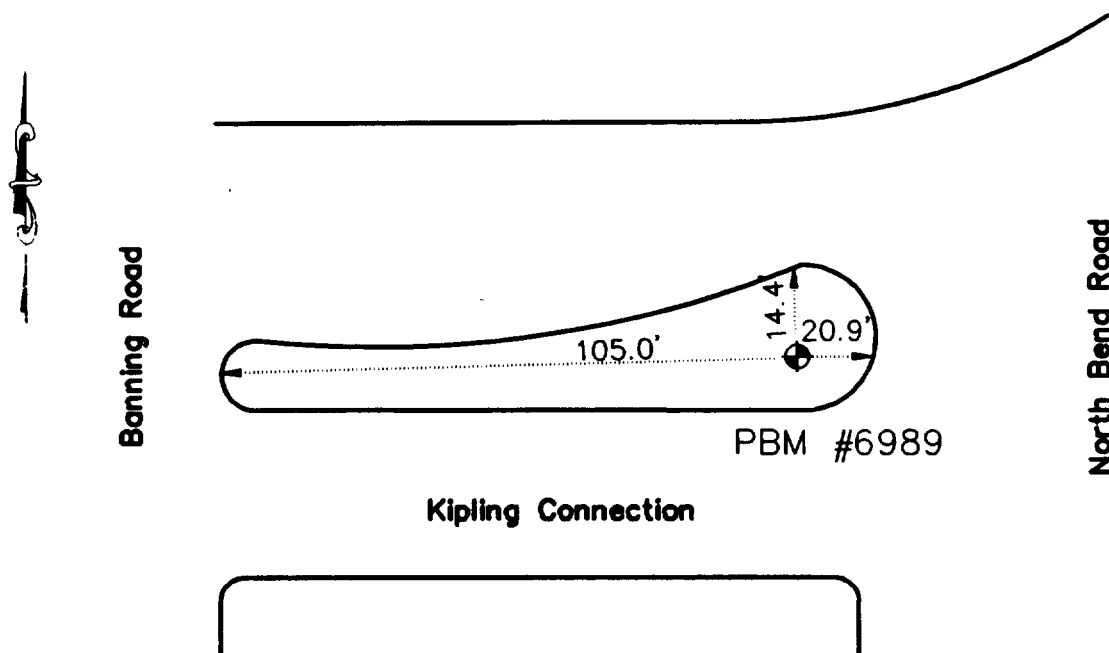
No. 6956

Neighborhood: Winton Place

Pairs with B.M.

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MT. AIRY**



THE STATION IS LOCATED ON A CONCRETE TRAFFIC ISLAND AT THE KIPLING CONNECTION BETWEEN BANNING AND NORTH BEND ROADS IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING CONCRETE SURFACE OF THE TRAFFIC ISLAND AND IS LOCATED 105.0 FT EAST OF THE WEST END OF THE ISLAND, 20.9 FT WEST OF THE EAST END OF THE ISLAND, 14.4 FT SOUTH OF THE NORTH END OF THE ISLAND AND 7.4 FT NORTH OF THE SOUTH END OF THE ISLAND.

**Intermediate Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	280.3408
Elevation in US Survey feet	919.751

Final Adjusted Elevation from NGS	June 1991
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No. 6989

Neighborhood: Mt. Airy

**City of Cincinnati  
Department of Public Works • Engineering Division  
BENCHMARK DATA SHEET**

**Approximate Location: NORTHSIDE**



**Ludlow Avenue**

**Dooley By-Pass**

Conc. Lt.  
Base



PBM #6994

Conc. Dr.

THE STATION IS LOCATED ON THE SOUTH SIDE OF THE "T" INTERSECTION OF THE DOOLEY BYPASS AND LUDLOW AVENUE IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING SURFACE OF A CONCRETE LIGHT POLE BASE WHICH IS 5.1 FT SOUTH OF THE SOUTH CURB EDGE OF SAID BYPASS.

**Intermediate Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	149.4035
Elevation in US Survey feet	490.168

Final Adjusted Elevation from NGS	June 1991
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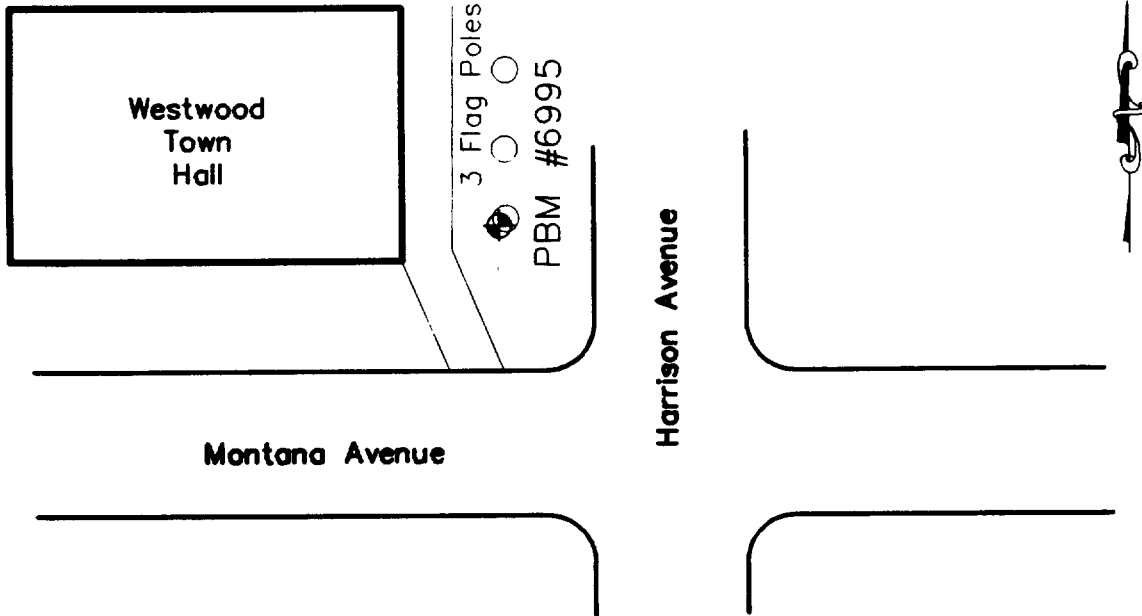
No. 6994

Neighborhood: Northside



**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: WESTWOOD**



THE STATION IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF MONTANA AND HARRISON AVENUES IN CINCINNATI, OHIO. THE STATION IS SET FLUSH WITH THE EXISTING SURFACE OF A CONCRETE BASE FOR A LIGHT POLE ON THE GROUNDS OF THE WESTWOOD TOWN HALL WHICH IS LOCATED 51.0 FT SOUTHEAST OF THE SOUTHEAST CORNER OF SAID TOWN HALL BUILDING AND 32.2 FT NORTH OF THE NORTH CURB EDGE OF SAID MONTANA AVENUE.

**Intermediate Mark**

**Vertical**

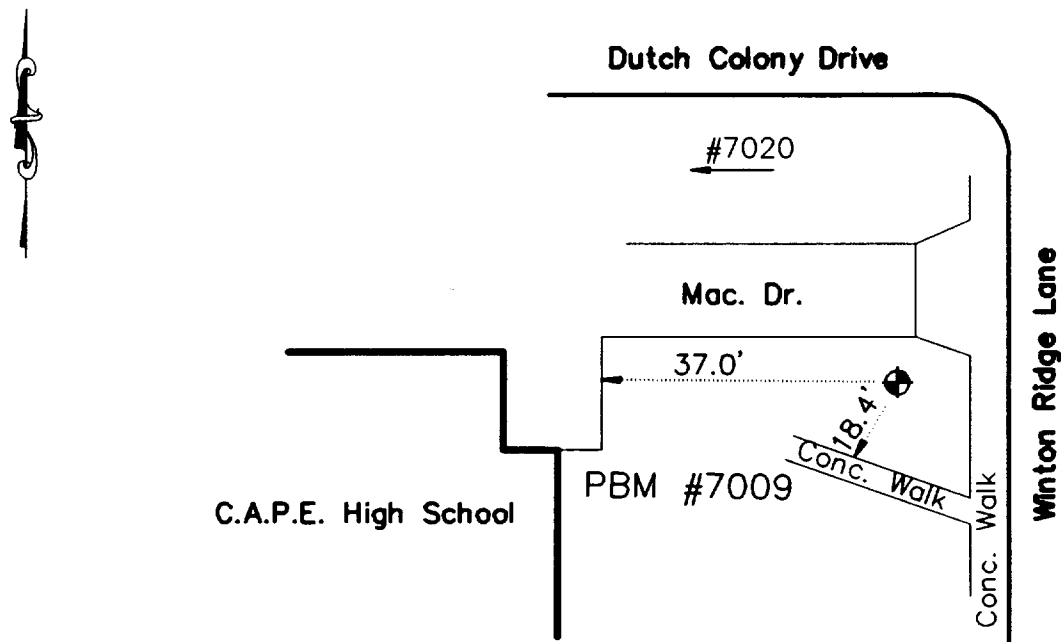
Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	277.8684
Elevation in US Survey feet	911.640
Final Adjusted Elevation from NGS	June 1991

No. 6995

Neighborhood: Westwood

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: CAPE HIGH SCHOOL**



STATION IS LOCATED AT THE CAPE HIGH SCHOOL IN THE SOUTHWEST CORNER OF THE INTERSECTION OF WINTON RIDGE LANE AND DUTCH COLONY DRIVE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN STREET FOR 1 BLOCK TO 6TH ST. TURN WEST ON 6TH ST. TO I-75 NORTH ENTRANCE RAMP. TURN NORTH ON I-75 TO EXIT NO. 6 AT MITCHELL AVE. TURN NORTHWEST ON MITCHELL AVE. FOR 0.73 MI (1.17 KM) TO DERBY. TURN WEST ON DERBY FOR 0.29 MI (0.47 KM) TO WINTON RD. TURN NORTH ON WINTON RD. FOR 1.33 MI (2.14 KM) TO DUTCH COLONY DR. TURN EAST ON DUTCH COLONY DR. TO WINTON RIDGE LN. AND THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 37.0 FT EAST OF THE CONCRETE CURB EDGE OF HIGH SCHOOL'S FRONT PORCH, 18.4 FT NORTHEAST OF THE SCHOOL'S FRONT CONCRETE WALK AND 4.6 FT WEST OF THE WEST EDGE OF THE CONCRETE CURB EDGE THAT RUNS ALONG WINTON RIDGE LANE.

**Azimuth Mark**

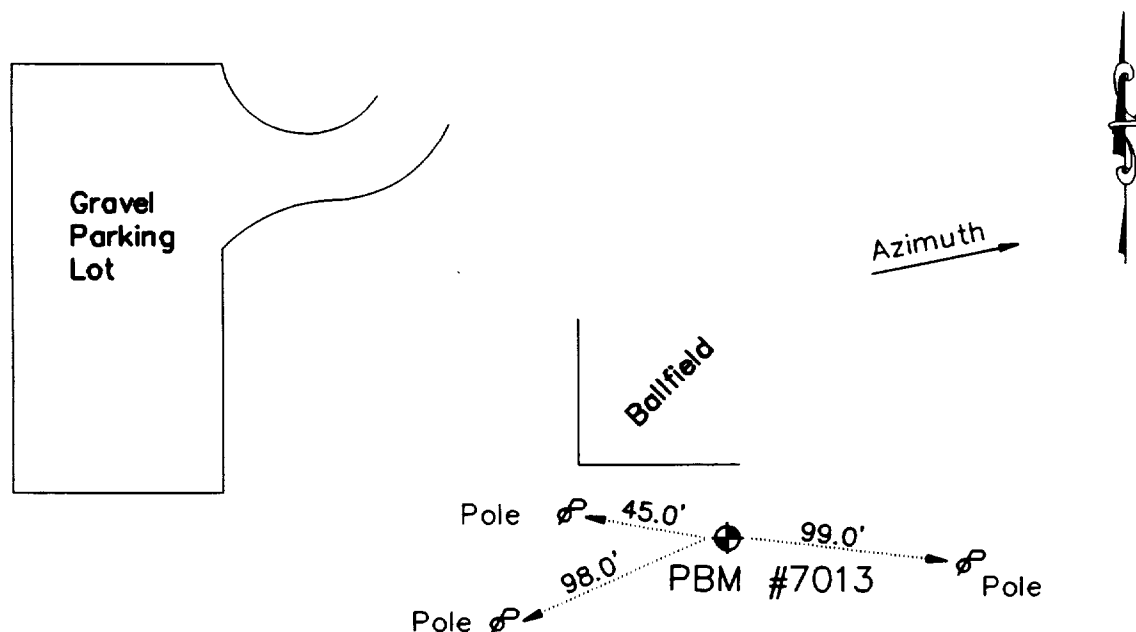
No. 7009

Neighborhood: WINTON PLACE

Pairs with B.M. 7020

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: HILLE BALLFIELDS**



STATION IS LOCATED AT HILLE BALLFIELDS SOUTH OF FIELD NO. 1 WHICH IS ON THE EAST SIDE OF GRAVEL PARKING LOT IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 1 BLOCK TO 6TH ST. TURN WEST ON 6TH ST. TO I-75 NORTH ENTRANCE RAMP. TURN NORTH ON I-75 TO THE HOPPLE STREET EXIT, TURN LEFT OVER HOPPLE STREET VIADUCT TO BEEKMAN AVENUE, TURN RIGHT ON BEEKMAN AVENUE TO DREMAN AVENUE, TURN RIGHT ON DREMAN AVENUE TO ROLL AVENUE, TURN RIGHT ON ROLL AVENUE, AND FOLLOW SOUTH TO THE NORTH END OF THE HILLE BALLFIELDS AND THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 45.0 FT (13.7 M) SOUTHEAST OF LIGHT POLE SOUTH OF FIELD NO. 1, 98.0 FT (29.9 M) NORTHEAST OF UTILITY POLE NO. M11742E ON THE SOUTHWEST SIDE OF THE SAID FIELD NO. 1 AND 99.0 FT (30.2 M) NORTHWEST OF UTILITY POLE NO. H121393RE ON THE SOUTHEAST SIDE OF THE SAID FIELD NO. 1.

Horizontal		Vertical	
Latitude (dms)	N 39 09 00.26305	Accuracy	2nd Order Class II
Longitude (dms)	W 84 32 49.86599	Datum	NAVD 29    NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	146.774
Scale	0.99994422	Elevation is US Survey ft.	481.54
Convergence (dms)	-1 17 56.32	Final Adjusted Elevation from NGS	August 1992
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	423,059.986		
Northing (Y) in meters	129,679.009		
Easting (X) in US Survey ft.	1,387,989.304		
Northing (Y) in US Survey ft.	425,455.214		
Final Adjusted Coordinate from NGS	March 1992		

No. 7013

Neighborhood: Cumminsville

Grid Bearing  
to B.M. 9002

S 36 19 07 E

No. 7013

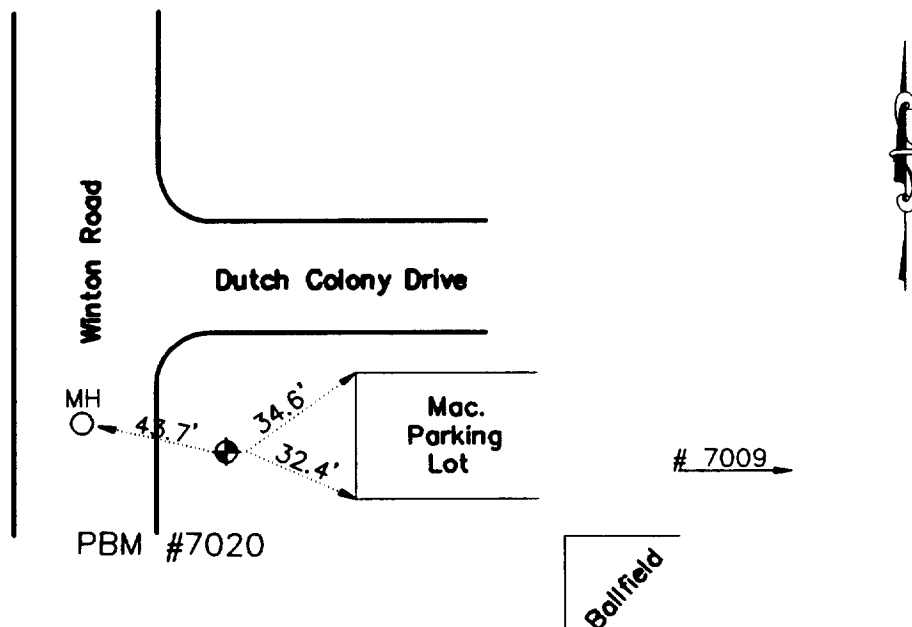
Neighborhood: Cumminsville

**Grid Bearing  
to B.M. 9002**

S 36 19 07 E

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: CAPE HIGH SCHOOL**



STATION IS LOCATED AT THE CAPE HIGH SCHOOL BALLFIELD IN THE SOUTHEAST CORNER OF THE INTERSECTION OF WINTON ROAD AND DUTCH COLONY DRIVE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 1 BLOCK TO 6TH ST. TURN WEST ON 6TH ST. TO I-75 NORTH ENTRANCE RAMP. TURN NORTH ON I-75 TO EXIT NO. 6 AT MITCHELL AVE. TURN NORTHWEST ON MITCHELL AVE. FOR 0.73 MI (1.17 KM) TO DERBY. TURN WEST ON DERBY FOR 0.29 MI (0.47 KM) TO WINTON RD. TURN NORTH ON WINTON RD. FOR 1.33 MI (2.14 KM) TO DUTCH COLONY RD. TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 12.7 FT (3.9 M) EAST OF THE EAST CONCRETE CURB LINE ALONG WINTON ROAD, 43.7 FT (13.3 M) SOUTHEAST OF MANHOLE LOCATED ALONG THE CENTERLINE OF THE SAID WINTON ROAD, 34.6 FT (10.5 M) SOUTHWEST OF NORTHWEST CORNER OF PAVED PARKING LOT ON THE SOUTH SIDE OF DUTCH COLONY DRIVE AND 32.4 FT (9.9 M) NORTHWEST OF SOUTHWEST CORNER OF PAVED PARKING LOT ON THE SOUTH SIDE OF THE SAID DUTCH COLONY DRIVE.

Horizontal		Vertical	
Latitude (dms)	N 39 11 25.18828	Accuracy	2nd Order Class II
Longitude (dms)	W 84 31 25.78413	Datum	NAVD 29   NAVD 88
State Plane Zone	(3402) Ohio South	Elevation in meters	
Scale	0.99994161	Elevation is US Survey ft.	
Convergence (dms)	-1 17 02.97	Final Adjusted Elevation from NGS	
Accuracy	1st Order		
Datum	NAD 83		
Easting (X) in meters	425,178.487		
Northing (Y) in meters	134,101.407		
Easting (X) in US Survey ft.	1,394,939.753		
Northing (Y) in US Survey ft.	439,964.367		
Final Adjusted Coordinate from NGS	March 1992		

No. 7020

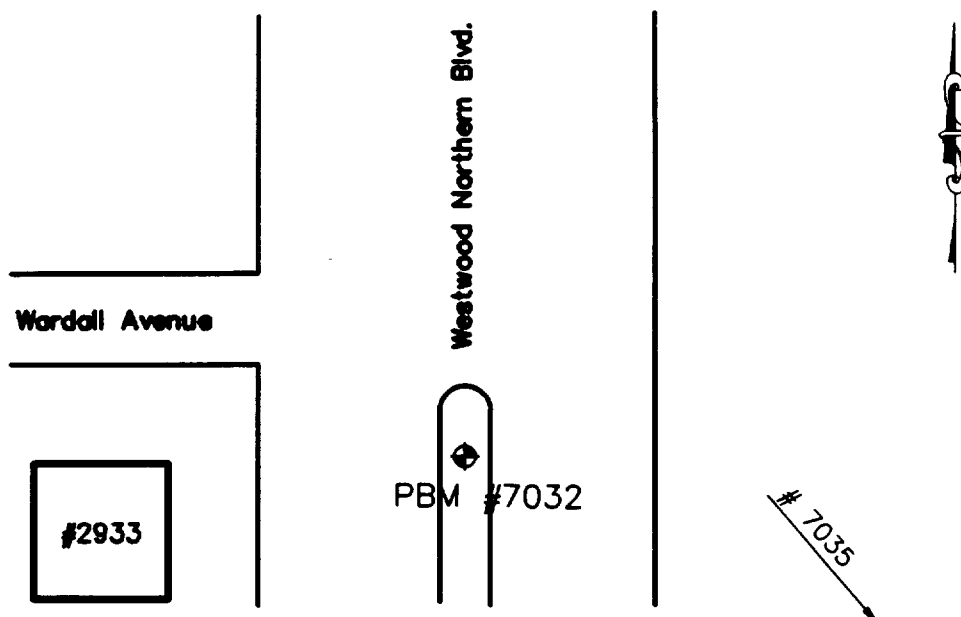
Neighborhood: Winton Place

**Grid Bearing  
to B.M. 7009**

S 79 29 20 E

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MCFARLAND PARK**



STATION IS LOCATED AT THE INTERSECTION OF WESTWOOD NORTHERN BLVD. AND WARDALL AVE. IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 1 BLOCK TO 6TH ST. TURN WEST ON 6TH ST. TO I-75 NORTH ENTRANCE RAMP. TURN NORTH ON I-75 TO EXIT NO. 3 AT HOPPLE ST. TURN WEST ON HOPPLE ST. FOR 0.74 MI (1.19 KM) TO WESTWOOD NORTHERN BLVD. TURN NORTHWEST ON WESTWOOD NORTHERN BLVD. AND PROCEED NORTHWEST TO WARDALL AVE. AND THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED IN THE WESTWOOD NORTHERN BLVD. TRAFFIC MEDIAN SOUTH OF SAID WARDALL AVE., IN LINE WITH THE NORTH BUILDING LINE OF RESIDENCE NO. 2933 PRODUCED EAST, 6.5 FT WEST OF THE EAST CURB EDGE OF SAID TRAFFIC MEDIAN AND 3.5 FT EAST OF THE WEST CURB EDGE OF SAID TRAFFIC MEDIAN.

**Azimuth Mark**

**Vertical**

Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	262.402
Elevation in US Survey feet	860.90
Final Adjusted Elevation from NGS	AUGUST 1992

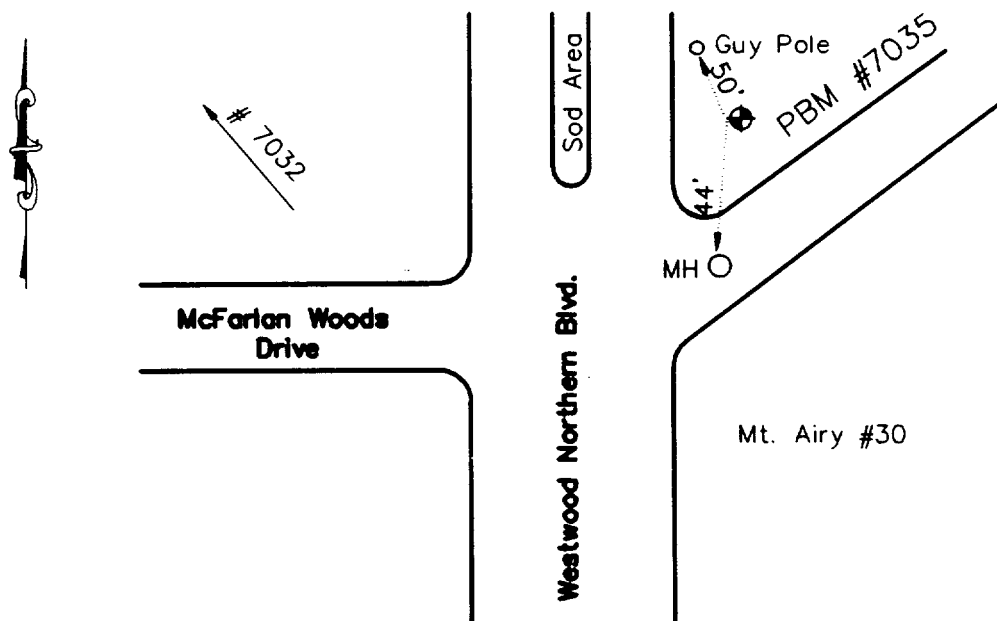
No. 7032

Neighborhood: WESTWOOD

Pairs with B.M. 7035

**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: MCFARLAND PARK**



STATION IS LOCATED AT THE ENTRANCE TO THE MCFARLAND WOODS - MT. AIRY FOREST AREA IN THE NORTHEAST CORNER OF THE INTERSECTION OF WESTWOOD NORTHERN BLVD. AND MCFARLAND WOODS DRIVE IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 1 BLOCK TO 6TH ST. TURN WEST ON 6TH ST. TO I-75 NORTH ENTRANCE RAMP. TURN NORTH ON I-75 TO EXIT NO. 3 AT HOPPLE ST. TURN WEST ON HOPPLE ST. FOR 0.74 MI (1.19 KM) TO WESTWOOD NORTHERN BLVD. TURN NORTHWEST ON WESTWOOD NORTHERN BLVD. FOR 2.57 MI (4.14 KM) TO MCFARLAND WOODS DR. TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 8.8 FT (2.7 M) EAST OF THE EASTERNMOST CONCRETE CURB ALONG WESTWOOD NORTHERN BLVD., 50.0 FT (15.2 M) SOUTHEAST OF GUY POLE ON THE EAST SIDE OF THE SAID WESTWOOD NORTHERN BLVD. AND 44.0 FT (13.4 M) NORTH OF MANHOLE SITUATED IN THE MIDDLE OF MCFARLAND PARK ENTRANCE ON THE EAST.

**Horizontal**

Latitude (dms) N 39 09 12.85394  
 Longitude (dms) W 84 35 26.45708  
 State Plane Zone (3402) Ohio South  
 Scale 0.99994398  
 Convergence (dms) -1 19 35.68  
 Accuracy 1st Order  
 Datum NAD 83  
 Easting (X) in meters 419,310.110  
 Northing (Y) in meters 130,153.306  
 Easting (X) in US Survey ft. 1,375,686.586  
 Northing (Y) in US Survey ft. 427,011.303

Final Adjusted Coordinate from NGS	March 1992
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**Vertical**

Accuracy 2nd Order Class II  
 Datum NAVD 29 NAVD 88  
 Elevation in meters 252.469  
 Elevation is US Survey ft. 828.31

Final Adjusted Elevation from NGS	August 1992
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No. 7035

Neighborhood: Westwood

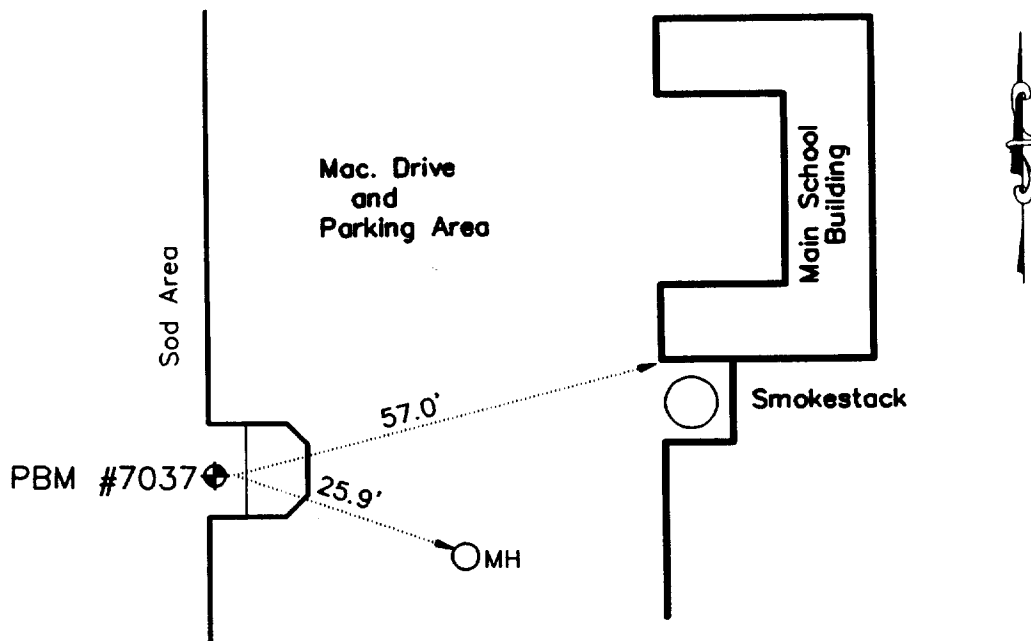
**Grid Bearing  
to B.M. 7032**

N 46 21 28 W



**City of Cincinnati**  
**Department of Public Works • Engineering Division**  
**BENCHMARK DATA SHEET**

**Approximate Location: CINCINNATI TECHNICAL COLLEGE**



STATION IS LOCATED AT THE MAIN BUILDING OF CINCINNATI TECHNICAL COLLEGE (CTC) AND WEST OF PAVED PARKING AREA AND CTC SMOKE STACK IN CINCINNATI, OHIO. TO REACH FROM THE FEDERAL BUILDING AT FIFTH AND MAIN STREETS IN DOWNTOWN CINCINNATI, PROCEED NORTH ALONG MAIN ST. FOR 0.41 MI (0.66 KM) TO CENTRAL PKY. TURN WEST FOR 5 BLOCKS THEN GO NORTH ON CENTRAL PKY. FOR 3.81 MI (6.13 KM) TO CTC TO THE STATION. THE STATION IS SET FLUSH WITH THE GROUND AND IS LOCATED 9.0 FT (2.7 M) SOUTHWEST OF THE NORTHWEST CORNER OF CONCRETE WALK ON THE WEST SIDE OF THE PAVED PARKING AREA, 11.8 FT (3.6 M) WEST OF THE WEST EDGE OF CONCRETE WALK ON THE WEST SIDE OF THE PAVED PARKING AREA, 25.9 FT (7.9 M) NORTHWEST OF MANHOLE LOCATED ON THE CENTER OF THE PAVED PARKING AREA AND 57.0 FT (17.4 M) SOUTHWEST OF THE SOUTHWEST CORNER OF THE MAIN SCHOOL BUILDING ON THE NORTH SIDE OF THE SMOKE STACK.

Horizontal	
Latitude (dms)	N 39 08 55.42185
Longitude (dms)	W 84 32 11.15467
State Plane Zone	(3402) Ohio South
Scale	0.99994432
Convergence (dms)	-1 17 31.76
Accuracy	1st Order
Datum	NAD 83
Easting (X) in meters	423,985.865
Northing (Y) in meters	129,508.744
Easting (X) in US Survey ft.	1,391,026.960
Northing (Y) in US Survey ft.	424,896.605

Final Adjusted Coordinate from NGS	March 1992
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Vertical	
Accuracy	2nd Order Class II
Datum	NAVD 29   NAVD 88
Elevation in meters	
Elevation is US Survey ft.	

Final Adjusted Elevation from NGS	
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**Grid Bearing**  
to B.M. 9002

No. 7037

Neighborhood: Clifton

S 23 55 02 E